during 1993-94 under Plan was Rs. 295.56 lakhs and under Non-Plan Rs. 226.97 lakhs, out of which Rs. 82.30 lakhs under Plan and Rs. 63.50 lakhs under non-plan are allocated to the Nagpur Institute.

(c) Yes, Sir.

(d) Knowledge gained in the Universities, Engineering Colleges etc. covers only basic principles of the subject, which is supplemented with applied engineering skills by the National Power Training Institute.

(e) The working of the NPTI is reviewed from time to time by the Governing Council of the Institute. Secretary, Ministry of Power is the Chairman of the Governing Council of the Institute. The working of the Institute is also reviewed in the Annual Meeting of the General Body of the Institute.

Cost of Electricity Generation

2810. SHRI TULAS1DAS MAJJ1:
DR. SHRIKANT RAMCHANDRA JICHKAR:

Will the Minister of POWER be pleased to state:

(a) what is the per unit cost of production of hydels thermal, nuclear, solar and tidal electricity, separately; and

(b) what type of electricity generation is being encouraged?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) The average cost of generation during 1992-93 in respect of Thermal & Hydel power stations, on a All India basis, was as under:—

Thermal	95.63 paise/Kwh.
— Gas	81.32 paise/Kwh.
— Hydel	20.68 paise/Kwh.

-

The tariffs for electricity supplied by Nuclear Power Plants in India in India as of June, 1994 are as under:—

Station	Tariff (Paise/ Kwh.)
Tarapur Atomic Power Station	63.31
Rajasthan Atomic Power Station	64.81
Madras Atomic Power Station	79.23
Narora Atomic Power Station	146.66
Kakrapar Atomic Power Station	207.45

The average cost of per unit electricity production from solar photovoltaic has been estimated to be about Rs. 12 taking average solar insolation and 20 years life of solar photovoltaic modules. From solar thermal and tidal, electricity generation is at a conceptual stage and actual per unit cost will be known only after such plants are set up.

(b) In order to meet the increasing deamnd for electricity and to reduce the gap in demand and supply of power, Government has been taking measures to encourage electricity generation from various available sources such as thermal, hydel, non-conventional sources etc.

Proposals For Power Projects With Central Electricity Authority

2811. SHRI BALBIR SINGH:-
SHRI DIPANKAR MUKHERJEE:

Will the Minister of POWER be pleased to state:

(a) the names of power projects for which project reports have been submitted by the NTPC, SEBs and the Private Sector Companies to the Central Electricity Authority for techno-economic

appraisal and the projects for which CEA accorded their techno-economic cleara»ice during the last 2 years; and

(b) the approximate per MW cost 0f the projects and estimated cost of generation for each of these projects'?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) and (b) Details are given in statement I & statement II.

Statement-I

List of Power Schemes Submitted By NTPC/SEBs to Central Electricity Authority During 1992-93 *and* 1993-94

SI. No.	Name of the Scheme	Capacity (MW)
1	*2*	3
THERMAL		
1	Faridabad CCFT-NTPC	400
2.	Ramgarh GTPH. I-RSEB	1x35.5
3.	Suratgarh TPS St. IV-RSEB	2x250
4	Kota TPS St. IV-RSEB	1x210
5.	Unchahar TPS St. Il-NTPC	2x210
6.	Anpara 'C' TPS-UPSEB	2X500
7.	Rosa TPS UPSEB	2x500
8.	Jawaharpur TPS-UPSEB	3x250
9.	Bawana CCGT-DESU	600650
10,	Gandhinagar TPS Extn. U.5-GEB	1x210
11	Wanakbori TPS Extn. U 7 GEB	1/210
12.	Lig. based TPS at Akrimota-GIPCL	2x120
13.	Lig. based TPS at Ghogha-GIPCL	2x120
14.	GTCC in North Gujarat-GEB\	300
15.	Korba (West) Extn.-MPEB	1x500
16.	Pares TPs Extn-MSEB	1x250
17.	Bhusawal B' TPS-MSEB	2x500
18.	Kothagudem TPS Extn. St V. APSEB	2x250
19.	Krishnapatnam TPS St. I-APSEB	2x500
20.	Ramagundem TPS Extn.APSEB	2x250
21.	Sindhadri TPS-APSEB	2x500
22.	Kasargoda DG Sets-KSEB	60
23.	Kozhikode DG Sets-KSEB	120
24.	Vyppin CCGT-KSEB	1200
25.	Diesel Engine Power Plam a: Samalpatti-TNEB	100
26.	Tuticorin TPS St. IV-TNEB	1x500

1	2	3
27.	Mazaffarpur TPS Extn.-BSEB	2x500
28.	Katihar TPS-BSBB	2x250
29.	Bakreshwer- TPP-WEFDCL	5x210
30.	Kotaghat TPS with RBC Tech WBBDCL	1x25
31.	Murshidabad TPS-VOBPDCGL	4x500
32.	Dissel Porwer Statum of Bamboo not-Elec. Deptt. A&N Adm	4x5
PRIVATE SECTOR PRODUCTS		
1	Dabhol.GTCC-Maharastra	2015
2.	Gandher CCFT Gujarat	655
3	Franch TPS M..P	2x210
4.	Jegurupadu GTCC TPS-AP.	216
5.	Godavari GTCC-A.P.	208
6.	Chittorgarh TPS- Rajasthan	1X500
7,	Dubri TPS Orissa	2x250
8.	ib. Valley TPS Unit 3 & 4- Orissa	2x210
9.	Jojobera TPS-Bihar	3x67.5
10.	Chandil TPS-Bihar	2X250
11..	Gouripore TPS-West Bengal	2x67.5
]2.	Balagarh TPS Unit 1 &. 2-WEST BENGAL	2x250
13.	Kharsang Fas Engine-Ar. Pradesh	2X4
14.	Kaspericheda TPS Unit 5 & 6-Mab..	2x210
15.	Bhadrawati TPs *Maha*rashtra	2X500
16.	Mangrol TPS- Gujrat	1X250
17.	Hazria GTCC Gujarat	500
18.	Power Plant FTCC-Gujrat	14S
19.	Korba West Unit 5&6-M.P.	2x210
20.	Cuddatore TPS-Tamil Nadu	2X535
21.	Neyveli (0 Unit)-Tamil Nadu	*1* X250
22.	Mangalore TPS-Karnataka	6x167
23.	Visakhapatnam TPS-A.P.	2x500
HYDRO		
1.	Goriganga St. Ill A & B-U.P.	3x40-2xl0
2.	Parbati St. II-H.P.	5X200
3.	Chikhaldhara-Maharashtra	4X100
4.	Chamera St. I-H.P.	3x100
5.	Puruiia PSS-W.B.	4x235
6.	Meogel H.P	*306*

1	2	3
7.	Loktak Down Stream-Manipur	3x30
8.	Demwe-Ar. Pradesh	8X65
9.	Sum (Chutak)-J&k	4x24
10.	Kuttiadi Augmentation-Kerala	2X50
11.	Pagladiya-Assam	1x3+1x2.5
12.	Tuini Plasu-U.P.	3X14
13.	Gandhi Sagar PH-II-M.P	4x40
14.	Renuka Dam MPP-H.P.	2x20
15.	Ans II-J&K	3x10
16.	Parbati St. III-H.P.	3X167
17.	Bawala Nand Prayag-U.P.	3x44
18.	Tapovan Vishnugarh-U.P.	3x120
19.	Ramam St. II1-W.B.	3x20
20.	Vishnu Prayag-U.P.	4X100
21.	Karbi Langpi-Assam	2x50
22.	Nagarjunsagar Tail Pond Dam-A.P.	2x25
23.	Varahi Tail Race-Karnataka	2x7.5
24.	Marhikheda-M.P.	2x20
25.	Teesta St. V-Sikkim	3x170
26.	Malana-H.P.	2x43
27.	Maheshwar-M.P.	10x40
28.	Tuivai-Mizoram	3x70
29.	Omkareshwar-M.P.	8x63
30.	Baspa St. II-H.P-	3x100
31.	Hibra-H.P.	3x77
32.	Ghanvi-H.P.	3x7.5

Statement-II

*Power Projects accorded techno-economic clearance during 1*992-93 *and 1*993-94 *along-with approximate per MW cost and cost of generation*

Sh No.	Name of the Scheme Capacity (in MW)	Cost-MW (Rs. Cr.)	Cost of Generation Paisa KWH
SI.	Name of No. SchemeCapacity in (MW)	CosfMW (Rs. Cr.)	Cost of Generation Paisa/KWH
THERMAL			
1.	Unchahar TPP-NTPC (2x210)	2.75	162
2.	Gandhinagar TPS Extn. U.5-GEB 1x210	3.137	240

SI. No.	Name of the Scheme Capacity (in MW)	Cost/MW (Rs. Cr.)	Cost of Gen- eration Paisa/ KWH
3.	Kasargode DG Scts-KSEB(60)	2.%	249
4.	Muzaffarpur TPS Ex-BSEB (2x250)	2.90	152
5.	Dabhol GTCC TPS Phase I	3.98	239
	(Pvt.) 695 Phase II (1320)	4.763	244
6.	Gandhar GTCC (Pvt.) (655)	3.51	197
7.	Jcgurupadu GTCC (216) (Pvt.)	3.83	211
8.	Godavari GTCC (208)	3.60	195
HYDRO			
1.	Chamera St. 1I-M.P. (300)	3.42	84.0
2.	Purulia PSS-W.B. (900)	1.62	198.16
3.	Tuirial-Mizoram (60)	2.65	111.00
4.	Ncogal-H.P. (12)	4.21	95.27
5.	Parnal-J&K (37.5)	3.81	97.40
6.	Loktak Downstream-Manipur (90)	3.88	144.47
7.	Sawalkot-J&K (37.5)	2.58	54.56
8.	Malan-H.P. (86)	2.50	100.90
9.	Bargarh Canal-Orissa (9)	3.71	105
10.	Teesta St. V.-Sikkim (510)	3.78	127
11.	Marhikheda-M.P. (40)	2.67	192
12.	Tuival-Mizoram (210)	3.14	161
13.	Maheshwar (Pvl.)-M.P. (400)	2.68	258
14.	Omkareshwar MPP-M.P. (520)	2.34	195

iSsisUmcc to Dhabol Power Projects From indian Financial Institutions

2812. SHRI DIPANKAR MUKHERJEE: Will the Minister of POWER be pleased to state:

(a) whether IDBI is financing Rs. 1500 crores for Dhabol Power Corporation in Maharashtra;

(b) if so, whether Government's stipulation lays down that not more than 40% spending can be done by the Indian Financial Institutions in such projects:

(c) if not, what is the amount financed by IDBI for this Project and at what interest; and

(d) whether Government are taking steps to ensure that the Indian Financial Institutions financing the project arc getting the equity share at par?

THE MINISTER OF STATE IN THE .MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) and (c) The Dabhol Power Company (DPC) is seeking commitments for approxmiately Rs. 600-700 crores in Rupee term loam from Indian Financial Institution: including IDBI. The interest on the loar will be 17.5% per annum.

(b) Yes Sir.

(d) The onus of raising finances for ; private power project lies on the promoter. The financial institution, including Indian Financial Institution: make their own appraisal of the project and decide on financing a project on the basis of their commercial judgement.